

ABSTRACT OF THE DISCLOSURE

A wireless communication system includes: a filter; and a semiconductor chip including a signal processing integrated circuit having an amplifier, wherein a main surface of the semiconductor chip is provided with a plurality of electrode terminals along an edge portion thereof; wherein the amplifier has a transistor including a control electrode, a first electrode through which a signal is outputted, and a second electrode to which a voltage is applied; wherein the control electrode, the first electrode and the second electrode of the transistor are connected to the electrode terminals, respectively; and wherein none of wirings are arranged between the electrode terminals and placements of the control electrode, the first electrode and the second electrode, making space between the electrodes and the electrode terminals narrow.

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